

**Abstract**

5 [0718] A method for producing human-like glycoproteins by expressing a Class  
2  $\alpha$ -mannosidase having a substrate specificity for Man $\alpha$ 1,3 and Man $\alpha$ 1,6  
glycosidic linkages in a lower eukaryote is disclosed. Hydrolysis of these linkages  
on oligosaccharides produces substrates for further N-glycan processing in the  
secretory pathway.